

Title (en)  
Circular dichroism detector for HPLC

Title (de)  
Detektor zum Nachweis von zirkularem Dichroismus für HPLC

Title (fr)  
DéTECTeur du dichroisme circulaire pour HPLC

Publication  
**EP 0916945 A1 19990519 (EN)**

Application  
**EP 98120742 A 19981102**

Priority  
• JP 32965897 A 19971114  
• JP 20582198 A 19980707

Abstract (en)  
A circular dichroism detector includes a light source (10) having a large emission intensity in the ultraviolet region such as an HgXe lamp or Hg lamp, a diffraction grating (G) for wavelength dispersing the light emitted from the light source, a polarizer (12) for linearly polarizing the light emitted from the light source, a PEM (13) for modulating wavelength dispersed linearly polarized light to alternately produce left-handed circularly polarized light and right-handed circularly polarized light, a flow cell (15) through which the circularly polarized light will be passed, and a photodiode (19) for detecting the circularly polarized light passing through the flow cell. <IMAGE>

IPC 1-7  
**G01N 30/74; G01N 21/19**

IPC 8 full level  
**G01N 21/19** (2006.01); **G01N 30/74** (2006.01); **G01N 30/88** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
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